1 **Abstract of the Disclosure**

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3   A water level controller for a pool has a water level sensor immersed in the pool. A processor

4 detects if the sensor senses low water sensed. A transmitter sends a radio frequency signal to

5 a receiver if the processor detects the low water. The receiver turns on a valve to add water

6 to the pool. The transmitter and processor are contained in waterproof housing that also

7 contains a battery. A main power switch is located internally in the housing, and moves

8 between on and off positions by inverting the housing. A wave filter timer within the

9 processor turns on for a selected interval when the processor detects low water. The

10 processor delays the transmitter from sending the signal until the end of the selected interval.

11 Also the processor causes the transmitter to send the signal at the end of the selected interval

12 only if the processor continuously detects low water during the selected interval. The receiver

13 has an overfill counter that turns on for a selected interval when the receiver receives one of

14 the signals from the transmitter. The overfill counter causes the valve to remain on until the

15 overfill counter reaches a selected count. The receiver resets the overfill counter prior to

16 reaching the selected count each time that the receiver receives one of the signals from the

17 transmitter.

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